



SERVICE MANUAL

MODEL
TC1966D

REVISION
SUFFIX D

COLOR TELEVISION RECEIVER

AKB AUTOMATIC KINE BIAS



SUFFIX	PRODUCT IMPROVEMENT				TRANSISTOR
A	ORIGINAL				2SC4159(D,E)
B	CHANNEL AUTO MEMORY IMPROVEMENT	EARPHONE JACK DELETED	FOR VA		2SC3902(S,T)
C				FOR VA	2SC4159(D,E)
D				TO IMPROVE THE HORIZONTAL OVER SCAN ADJUSTMENT QUALITY	

Please file this suffix with the original version (Suffix A).

SERVICE PUBLICATION

#109-92

The Constant Voltage adjustment will be deleted from the electrical adjustments in the IC1966D Service Manual (Pub No. 02-92) for the IC1966D SUFFIX D.

MAIN PCB ASSEMBLIES

PCB001	
SUFFIX	PART NO.
A	A39709A01A
B	A39709A01BZ1 ☆
C	A39709A01CZ1 ☆
D	A39709A01DZ1 ☆

☆ : MAIN PCB's are interchangeable.

DIFFERENCES

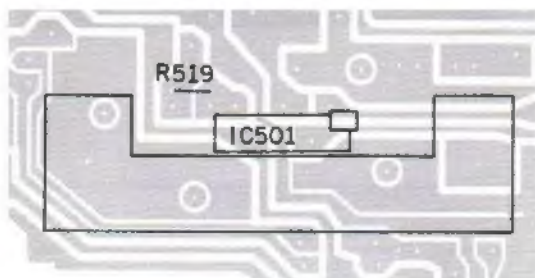
To improve the horizontal over scan adjustment quality

REF. NO.	SUFFIX A, B, C		SUFFIX D	
	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
△R509	RC001T6123J	RC 12K OHM 1/6W	△R425T6123F	R,METAL 12K OHM 1/6W
R519			R425T6472F	R,METAL 4.7K OHM 1/6W
VR501	V1263H4BT7	VR 22KB CONSTANT VOL.		OPEN
PCB001	SEE ABOVE	MAIN PCB ASS'Y	SEE ABOVE	MAIN PCB ASS'Y

PRINTED CIRCUIT BOARD

MAIN

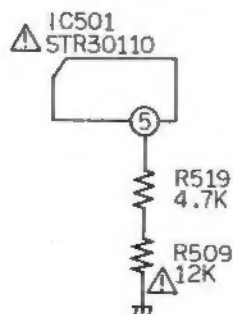
(SUFFIX D)



ADD R519

CHROMA/POWER/AUDIO SCHEMATIC DIAGRAM

(SUFFIX D)



ADD R519

DIFFERENCES

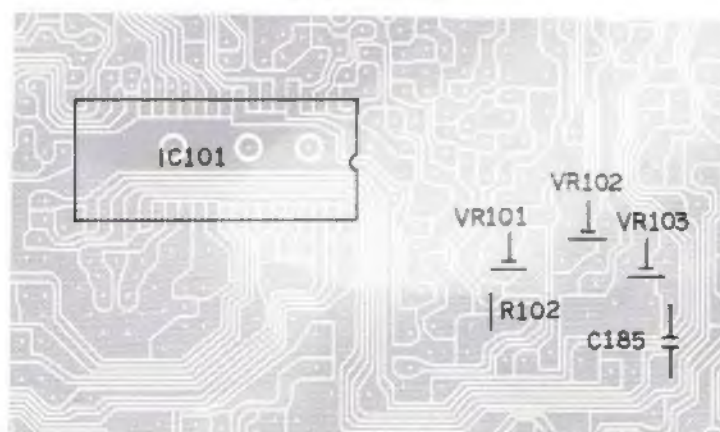
Electrical improvement

REF. NO.	SUFFIX A, B, C		SUFFIX D	
	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
R102			RO01T6333J	RC 33K OHM 1/6W
△R140	R615U4150J	R,FUSE 15 OHM 1/4W	ROL1U4150J	RC 15 OHM 1/4W
△R172	R615U4470J	R,FUSE 47 OHM 1/4W	ROL1U4470J	RC 47 OHM 1/4W
R187	RO01T6683J	RC 68K OHM 1/6W	RO01T6563J	RC 56K OHM 1/6W
△R413	R615U4470J	R,FUSE 47 OHM 1/4W	ROL1U4470J	RC 47 OHM 1/4W
△R433	R635821R5J	R,FUSE 1.5 OHM 1/2W	RO02T21R5J	RC 1.5 OHM 1/2W
R692	RO01T6103J	RC 10K OHM 1/6W	RO01T6123J	RC 12K OHM 1/6W
R808	R425T4223F	R,METAL 22K OHM 1/4W	ROL1T4223G	RC 22K OHM 1/4W
△R916	R615U4270J	R,FUSE 27 OHM 1/4W	ROL1U4270J	RC 27 OHM 1/4W
C185			CF4TBO4K2K	CC 270 PF 50V
C402	COJTB05H2K	CC 220 PF 500V	COJTB05K2K	CC 270 PF 500V
D134	D92T05R1B2	DIODE RD5.1EB 2 TA11R	D97U05R11A	DIODE MTZJ5.1A T-77
D170	D92T0150B1	DIODE RD15EB 1 TA11R	D97U01501A	DIODE MTZJ15A T-77
D193	D92006R8B2	DIODE RD6.8EB 2	D97U06R81A	DIODE MTZJ6.8A T-77
D423	D92T06R2B2	DIODE RD6.2EB 2 TA11R	D97U06R21B	DIODE MTZJ6.2B T-77
D620	D92009R1B2	DIODE RD9.1EB 2	D97U09R11B	DIODE MTZJ9.1B T-77
△IC402	I03B98M090	IC L78M09-SA	△IOX398M090	IC UPC78M09H
PCB003	A39709A11A	CRT PCB ASS'Y	A39709A11B	CRT PCB ASS'Y

CRT PCB's are interchangeable.

PRINTED CIRCUIT BOARD

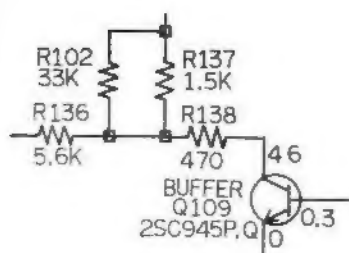
MAIN
(SUFFIX D)



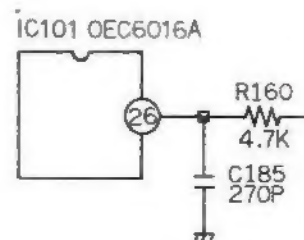
ADD R102
C185

IF/MICON SCHEMATIC DIAGRAM

(SUFFIX D)



ADD R102



ADD C185

DIFFERENCES

Electrical improvement

REF. NO.	SUFFIX B, C		SUFFIX D	
	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
R804	R425T4173F	R, METAL 17K OHM 1/4W	ROL1T4153G	RC 15K OHM 1/4W
R818	ROO1T4681J	RC 680 OHM 1/4W	ROL1T4272G	RC 2.7K OHM 1/4W
C182	CHG1CH4G1J	CC 18 PF 50V	CHG1SL4H1J	CC 22 PF 50V
△C353	EOE5TDO10M	CE 1 UF 250V	△EOE7T5010M	CE 1 PF 50V
L181	O21JA6470K	COIL 47 UH	O21JA6390K	COIL 39 UH

MECHANICAL REPLACEMENT PARTS LIST

REF. NO.	DESCRIPTION	SUFFIX C	SUFFIX D
		PART NO.	
106	CABINET, BACK	702APAO049	702APAO057